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```
#define bucketsize 256

void LeakyBucket (int n, int y){

if ( x > bucketsize)
    cout<< " \n Bucket overflow ";
else{

    while (x>y){
    cout<< " \n "<< b <<" bytes outputted.";
    a-=b;
    }

    if ( x>0 ){
    cout<< " \n Les "<< a << " bytes sent ";
    }
    cout<< " \n Bucket output successful ";
} }


int main (){
    int outputrate, packetsize; packetnum;
    cout<< "Enter output rate: ";
```

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```cpp
cin >> outputrate;
cout << "Enter number of packet";
for(int i=0; i
cin >> packet num;

for(int i=0; i <packet num; i++){

packetsize = rand()% 1000;
cout << "In Packet no "<< i << "It Packet size = "<<
packetsize;
LeakyBucket (packetsize, outputrate);
}
return 0;
}
```